

ROAD TRAFFIC AND TRANSPORT ENGINEERING

DEGREE TYPE UPON GRADUATION

Bachelor's Degree

DURATION

4 years (8 semesters)

TEACHING LANGUAGE

Romanian

ECTS POINTS

240

PROGRAMME DESCRIPTION

The general objective of the *Road traffic and transport engineering* BA programme is to train engineers in the field of Transport Engineering, specialized in road traffic control and management and transport planning and operation, having competences to enable them to participate in the realization of large-scale projects in these areas of activity.

TUITION

EU citizens: 3900 RON (approx. € 780)

Non-EU citizens: € 2430

ENTRY REQUIREMENTS

Baccalaureate Diploma

REASONS TO CHOOSE THIS PROGRAMME

- Acquire skills in current global fields (transport, mobility, logistics, sustainable development)
- Education with a tradition in engineering;
- Career opportunities in the field of studies.

CAREER OPPORTUNITIES

- road traffic management

- design of transport systems
- transport planning
- transport logistics
- technical exploitation of means of transport

PROGRAMME DETAILS

I st YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Linear Algebra, Analytical and Differential Geometry	5	E	Mathematical analysis II	4	E
Mathematical analysis I	5	E	Numerical Methods	4	E
Chemistry	3	C	Computers Programming and Programming Languages	4	V
Physics	4	E	Technical Drawing	4	V
Descriptive Geometry	4	V	Technology of Materials	3	E
Materials Science and Engineering	4	E	Mechanics I	5	E
General economy	2	E	Physical Education II*	1	V
Physical Education I*	1	V	Internship	3	V
English I	3	V	English II	3	V

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

II nd YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Advanced Mathematics for Engineers	3	E	Mechanisms	4	E
Infographics	4	V	Machine Parts	4	E
Mechanics II	4	E	Transportation Law	3	V
Resistance of the Materials	5	E	Thermotechnics	4	E
Electrotechnics and Electric machines	3	E	Probability theory and mathematical statistics	4	E
Fluid Mechanics	4	E	Introduction to Transport Technique	3	E
Tolerances and Dimensional Control	4	V	Transport Geography	3	V
Physical Education III*	1	V	Physical Education IV*	1	V
English III	3	V	Internship	3	V
			English IV	2	V

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III rd YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Informatics for Transports	4	V	Handling storage and internal transport technologies	5	E
Intelligent systems in transports I	4	E	Handling storage and internal transport technologies - project	2	C
Road Traffic and Traffic Safety	5	E	Transport Vehicles	4	E
Transport Systems	5	E	Design and Calculation of Automotive	4	E
Internal combustion engines	5	E	Road Vehicles - project	2	C
Automotive Dynamics	5	E	Intelligent systems in transports II	3	V
Ethics and academic integrity	2	V	Modelling and planning of transports	4	E
			Transport flows	3	C
			Internship	3	V

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

IV th YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Technical Operation of Transport Vehicles I	3	E	Management for Transports	3	C
Technical Operation of Transport Vehicles II - project	3	C	Automotive Diagnosis	4	E
Automotive Repairation	4	E	Multimodal Transport I	5	E
Sustainable urban mobility	3	V	Multimodal Transport II - project	3	C
Public passenger transport	4	E	The methodology for diploma project design	6	V
Economical Analysis of Transports	4	E	Internship	3	V
Rail Transport / Ecology of Transports	3	E	Industrial Transport / Reconstruction of Road Accidents	3	E
Special transport/ Comfortability and ergonomicse	3	V	Unconventional Systems of Propulsion and Transport / Fuels, lubricants and special Materials for Automotive	3	E
Communication and marketing in transports / Quality management	3	V	Defending BD Thesis *		E

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

* V = test taken in the last two weeks of the semester (about 10% of the final grade)

* C = test taken in the last two weeks of the semester (about 30% of the final grade)

* E = exam taken during the exam period (at least 50% of the final grade)